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## RAW SEQUENCE LISTING

DATE: 03/21/2003

PATENT APPLICATION: US/10/042,746

TIME: 14:30:58

Input Set : N:\Crif3\RULE60\10042746.RAW.txt

Output Set: N:\CRF4\03212003\J042746.raw

## SEQUENCE LISTING

## 3 (1) GENERAL INFORMATION:

(i) APPLICANT: Bruckner, Daniel J.

(ii) TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE 2 AND ITS THERAPEUTIC USE

(iii) NUMBER OF SEQUENCES: 1

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Pennie &amp; Edmonds LLP

(E) STREET: 1155 Avenue of the Americas

(C) CITY: New York

(D) STATE: New York

(E) COUNTRY: USA

(F) TEL: 1-800-36-5711

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: Patentix Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US/10/042,746

(B) FILING DATE: 20-Nov-2002

(C) CLASSIFICATION: 514

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US/08/632,533

(B) FILING DATE: 12-APR-1996

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Friebe, Thomas E.

(B) REGISTRATION NUMBER: 29,258

(C) REFERENCE/DOCKET NUMBER: 8607-004

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (212) 790-9090

(E) TELEFAX: (212) 809-8864/9741

## 45 (2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 37 amino acids

(B) TYPE: amino acid

(C) ORGANISM: HUMAN

(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: Modified-site

(B) LOCATION: 1

(D) OTHER INFORMATION: /note= "An amino acid selected from His,

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```

60 Arg, or Lys. Xaa may or may not be present in the sequence."
61     (ix) FEATURE:
62         (A) NAME/KEY: Modified-site
63         (B) LOCATION: 2
64         (D) OTHER INFORMATION: /note= "An amino acid selected from His,
65 Arg, or Lys. Xaa may or may not be present in the sequence."
66     (ix) FEATURE:
67         (A) NAME/KEY: Modified-site
68         (B) LOCATION: 16
69         (D) OTHER INFORMATION: /note= "An amino acid selected from Met,
70 Leu, Ile, Val or Cys."
71     (ix) FEATURE:
72         (A) NAME/KEY: Modified-site
73         (B) LOCATION: 17
74         (D) OTHER INFORMATION: /note= "An amino acid selected from Ala,
75 Ser, Thr, Pro, Gly, Asn, Asp, Glu or Gln."
76     (ix) FEATURE:
77         (A) NAME/KEY: Modified-site
78         (B) LOCATION: 11
79         (D) OTHER INFORMATION: /note= "An amino acid selected from Ala,
80 Ser, Thr, Pro or Gly."
81     (ix) FEATURE:
82         (A) NAME/KEY: Modified-site
83         (B) LOCATION: 11
84         (D) OTHER INFORMATION: /note= "An amino acid selected from His,
85 Arg or Lys."
86     (ix) FEATURE:
87         (A) NAME/KEY: Modified-site
88         (B) LOCATION: 14
89         (D) OTHER INFORMATION: /note= "An amino acid selected from Met,
90 Leu, Ile, Val or Cys."
91     (ix) FEATURE:
92         (A) NAME/KEY: Modified-site
93         (B) LOCATION: 30
94         (D) OTHER INFORMATION: /note= "An amino acid selected from Asn,
95 Asp, Glu, Gln, His, Arg or Lys."
96     (ix) FEATURE:
97         (A) NAME/KEY: Modified-site
98         (B) LOCATION: 16
99         (D) OTHER INFORMATION: /note= "An amino acid selected from His,
100 Arg or Lys. Xaa may or may not be present in the sequence."
101     (ix) FEATURE:
102         (A) NAME/KEY: Modified-site
103         (B) LOCATION: 27
104         (D) OTHER INFORMATION: /note= "An amino acid selected from His,
105 Arg or Lys. Xaa may or may not be present in the sequence."
106     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
W--> 120   Xaa Xaa His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Xaa Leu
121       1           5           10           15

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Output Set: N:\CRF4\03212003\J042746.raw

```

122     Asp Xaa Leu Ala Xaa Xaa Asp Phe Ile Asn Trp Leu Xaa Xaa Thr Lys
123           20           25           30
124     Ile Thr Asp Xaa Xaa
125           35
129 (2) INFORMATION FOR SEQ ID NO: 2:
131     (i) SEQUENCE CHARACTERISTICS:
132           (A) LENGTH: 37 amino acids
133           (B) TYPE: amino acid
134           (C) STRANDEDNESS:
135           (D) TOPOLOGY: unknown
136     (ii) MOLECULE TYPE: peptide
137     (ix) FEATURE:
138           (A) NAME/KEY: Modified-site
139           (B) LOCATION: 1
140           (D) OTHER INFORMATION: /note= "An amino acid selected from His,
141 Arg, or Lys. Xaa may or may not be present in the sequence."
142     (ix) FEATURE:
143           (A) NAME/KEY: Modified-site
144           (B) LOCATION: 2
145           (D) OTHER INFORMATION: /note= "An amino acid selected from His,
146 Arg, or Lys. Xaa may or may not be present in the sequence."
147     (ix) FEATURE:
148           (A) NAME/KEY: Modified-site
149           (B) LOCATION: 3
150           (D) OTHER INFORMATION: /note= "An amino acid selected from His,
151 Arg, or Lys. Xaa may or may not be present in the sequence."
152     (ix) FEATURE:
153           (A) NAME/KEY: Modified-site
154           (B) LOCATION: 4
155           (D) OTHER INFORMATION: /note= "An amino acid selected from Ala,
156 Ser, Thr, Pro or Gly."
157     (ix) FEATURE:
158           (A) NAME/KEY: Modified-site
159           (B) LOCATION: 56
160           (D) OTHER INFORMATION: /note= "An amino acid selected from His,
161 Arg, or Lys. Xaa may or may not be present in the sequence."
162     (ix) FEATURE:
163           (A) NAME/KEY: Modified-site
164           (B) LOCATION: 37
165           (D) OTHER INFORMATION: /note= An amino acid selected from His,
166 Arg, or Lys. Xaa may or may not be present in the sequence."
171 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
W--> 173     Xaa Xaa His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu
174           1           10           15
175     Asp Asn Leu Ala Xaa Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys
176           16           25           30
177     Ile Thr Asp Xaa Xaa
178           35
181 (2) INFORMATION FOR SEQ ID NO: 3:
183     (i) SEQUENCE CHARACTERISTICS:
184           (A) LENGTH: 33 amino acids
185           (B) TYPE: amino acid
186           (C) STRANDEDNESS:
187           (D) TOPOLOGY: unknown

```

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Input Set : N:\Crf3\RULE60\10042746.RAW.txt

Output Set: N:\CRF4\03212003\J042746.raw

```

184      (ii) MOLECULE TYPE: peptide
185      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
186      His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
187      1          5          10          15
188      Leu Ala Thr Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
189      20          25          30
190      Asp
191  (2) INFORMATION FOR SEQ ID NO: 4:
192      (i) SEQUENCE CHARACTERISTICS:
193          (A) LENGTH: 33 amino acids
194          (B) TYPE: amino acid
195          (C) STRANDEDNESS:
196          (D) TOPOLOGY: unknown
197      (ii) MOLECULE TYPE: peptide
198      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
199      His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
200      1          5          10          15
201      Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
202      20          25          30
203      Asp

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## RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 03/21/2003

PATENT APPLICATION: US/10/042,746

TIME: 14:30:59

Input Set : N:\Crf3\RULE60\10042746.RAW.txt

Output Set: N:\CRF4\03212003\J042746.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos.1,2,15,18,21,22,29,30,36,37

Seq#:2; Xaa Pos.1,2,21,36,37

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/042,746

DATE: 03/21/2003

TIME: 14:30:59

Input Set : N:\Crf3\RULE60\10042746.RAW.txt

Output Set: N:\CRF4\03212003\J042746.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:34 M:233 W: Alpha Fields not Ordered, Reordered [(C) CLASSIFICATION:] of (1)(vi)  
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
M:341 Repeated in SeqNo=2